Sughrue
SUGHRUE MION ZINN MACPEAK & SEAS, PLLC

2100 Pennsylvania Avenue, NW
Washington, DC 20037-3213
T 202.293.7060
F 202.293.7860

www.sughrue.com

George F. Lehnigk
T 202-663-7435
glehnigk@sughrue.com

May 8, 2001

BOX PATENT APPLICATION
Assistant Commissioner for
Patents
Washington, D.C. 20231

Re: Reissue Application of CHRISTIAN OLDENDORF, FRANZ-JOSEF MELCHER, AND CHRISTOPH BERG
ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF
Our Ref: Q64288

Dear Sir:

This is a request for filing a Reissue Application of U.S. Patent No. 5,902,965 issued on May 11, 1999 by CHRISTIAN OLDENDORF, FRANZ-JOSEF MELCHER, AND CHRISTOPH BERG entitled ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF. The Reissue Application is attached hereto, and comprises a clean copy of the printed patent, including the specification, claim, and drawings.

Also attached is an executed Reissue Declaration and Power of Attorney, an Offer to Surrender Letters Patent, a Certificate Under 37 C.F.R. § 3.73(b), a Written Consent Of All Assignees, an Information Disclosure Statement Under 37 C.F.R. §1.97 and 1.98 with copies of the citations, and a copy of the Terminal Disclaimer filed in parent Application No. 09/019,712.

Priority is claimed from March 5, 1994 based on German Patent Application No. DE 44 07 433. The priority document was filed in parent Application No. 09/019,712.

A Preliminary Amendment is being filed herewith adding 12 new claims. Also submitted herewith is an Explanation Of The Support In The Disclosure Of The Patent In Accordance With 37 C.F.R. § 1.173(c) for these new claims.

The Government filing fee is calculated as follows:

Total claims	13	-	20	=	--	x	$18	=	$ --
Independent claims	6	-	3	=	3	x	$80	=	$ 240.00
Base Fee									**$ 710.00**
Multiple Dependent Claim Fee **($260.00)**									$ 000.00
TOTAL FILING FEE									**$ 950.00**

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Recordation of Assignment	$ --
TOTAL FEE	**$ 950.00**

A check for the statutory fee of $950.00 is attached. You are also directed and authorized to charge or credit any difference or overpayment to said account. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 and any petitions for extension of time under 37 C.F.R. § 1.136 which may be required during the entire pendency of the application to Deposit Account No. 19-4880. A duplicate copy of this transmittal letter is attached.

Respectfully submitted,

SUGHRUE, MION, ZINN, MACPEAK
& SEAS, PLLC

George F. Lehnigk
Registration No. 36,359

PTO/SB/53 (02-01)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT

Docket Number (Optional)

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)
Christian Oldendorf, Franz-Josef Melcher and Christoph Berg

Patent Number	Date Patent Issued
5,902,965	May 11, 1999

Title of Invention
Electric Balance For Correcting Misloading Thereof

1. [x] Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)

2. [ ] Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.

One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are Sartorius AG, and the assignee(s) consents to the accompanying application for reissue.

Name of assignee/inventor (if not assigned)

Sartorius AG

Signature	Date
	3.05.2001

Typed or printed name and title of person signing for assignee (if assigned)

Michel Warter, President

PATENT APPLICATION
Attorney Docket No. Q64288

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of

Christian Oldendorf, Franz-Josef Melcher, and Christoph Berg

Reissue Application of U.S. Patent
5,902,965 issued on May 11, 1999

Filed: Herewith

For: ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF

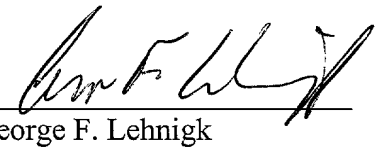
OFFER TO SURRENDER LETTERS PATENT UNDER 37 CFR 1.178

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant hereby offers to surrender U.S. Patent No. 5,902,965 to the U.S. Patent and Trademark Office (PTO), upon the Examiner allowing the claims in the above-identified Reissue Application.

Respectfully submitted,



George F. Lehnigk
Registration No. 36,359

SUGHRUE, MION, ZINN,
MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Washington, D.C. 20037-3213
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

Date: May 8, 2001

PTO/SB/96
Approved for use through 8/30/98. OMB 0651-0027
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

CERTIFICATE UNDER 37 C.F.R 3.73(b)

Applicant: CHRISTIAN OLDENDORF, FRANZ-JOSEF MELCHER, AND CHRISTOPH BERG

Application No. U.S. Pat. No. 5,902,965 Issued May 11, 1999

Entitled: ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF

Sartorius AG (Name of Assignee), a Corporation (Type of Assignee, e.g., corporation , partnership, university, government agency, etc)

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☑ An assignment from the inventors(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 8372, Frame 0517, and Reel 8483, Frame 0773, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as show below:

1. From _____ To: _____
☐ The document was recorded in the Patent and Trademark Office at
Reel _____ , Frame _____ , or for which a copy thereof is attached.

2. From _____ To: _____
☐ The document was recorded in the Patent and Trademark Office at
Reel _____ , Frame _____ , or for which a copy thereof is attached.

3. From _____ To: _____
☐ The document was recorded in the Patent and Trademark Office at
Reel _____ , Frame _____ , or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, tot he best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable b fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

3-05-2001
Date

Signature

Michel Warter
Type or Printed Name

President
Title

PATENT APPLICATION
Attorney Docket No. Q64288

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of

Christian Oldendorf, Franz-Josef Melcher, and Christoph Berg

Reissue Application of U.S. Patent
5,902,965 issued on May 11, 1999

Filed: Herewith

For: ELECTRIC BALANCE FOR CORRECTING MISLOADING THEREOF

EXPLANATION OF THE SUPPORT IN THE DISCLOSURE OF THE PATENT IN ACCORDANCE WITH 37 C.F.R. § 1.173(C)

In accordance with 37 C.F.R. § 1.173(c), Applicants are submitting the following explanation of the support in the disclosure of U.S. Patent No. 5,902,965 for claims 2-13 submitted with the Preliminary Amendment herewith.

Claim	Explanation Of Support In '965 Patent
2. (New) An electronic balance for mixing a plurality of components according to a formula, comprising:	E.g., column 1, line 62 to column 2, line 24; Figs. 1-3.
a weighing container, which receives the components to be mixed;	E.g., Fig. 2, reference numeral 3.
an electronic evaluation unit, including a recalculation mode for calculation of a quantity to be added for a component in the formula based on an overfill of a quantity of another component in the formula;	E.g., column 3, line 11 to column 4, line 34; Fig. 2, items 18, 27, and 29.
a display that displays a value of a quantity of a component presently added to the weighing container; and	E.g., Fig. 1, reference numeral 19.

U.S. APPLN. NO.: REISSUE OF U.S. PATENT NO. 5,902,965
EXPLANATION OF THE SUPPORT IN THE DISCLOSURE OF THE PATENT IN ACCORDANCE WITH 37 C.F.R. § 1.173(C)

Claim	Explanation Of Support In '965 Patent
a key that when operated decrements the displayed value of the quantity of the presently added component.	E.g., Fig. 1, reference numeral 25.
3. (New) The electronic balance according to Claim 2, wherein the recalculation mode calculates a supplemental quantity to be added to an existing quantity of a previously added component, the supplemental quantity being necessitated by an overfill quantity of the presently added component, and wherein the key is operated to decrement the displayed value of the quantity of the presently added component by the overfill quantity of the presently added component.	E.g., column 3, line 44 to column 4, line 34. See, also, abstract.
4. (New) The electronic balance according to Claim 3, wherein, the recalculation mode calculates the required supplemental quantity to be added to the existing quantity of the previously added component based on the overfill quantity of the presently added component as determined by the operation of the key to decrement the displayed value by the overfill quantity of the presently added component	E.g., column 3, line 44 to column 4, line 34. See, also, abstract.
5. (New) The electronic balance according to Claim 2, wherein the recalculation mode calculates a required adjustment to a quantity of a component to be subsequently added as a result of an overfill quantity of a presently added component, and wherein the key is operated to decrement the displayed value of the quantity of the presently added component by the overfill quantity of the presently added component.	E.g., column 3, line 44 to column 4, line 34. See, also, abstract.
6. (New) The electronic balance according to Claim 5, wherein the recalculation	E.g., column 3, line 44 to column 4, line 34. See, also, abstract.

U.S. APPLN. NO.: REISSUE OF U.S. PATENT NO. 5,902,965
EXPLANATION OF THE SUPPORT IN THE DISCLOSURE OF THE PATENT IN ACCORDANCE WITH 37 C.F.R. § 1.173(C)

Claim	Explanation Of Support In '965 Patent
mode calculates a supplemental quantity to be added to an existing quantity of a previously added component, based on the overfill quantity of the presently added component as determined by the operation of the key to decrement the displayed value by the overfill quantity of the presently added component.	
7. (New) The electronic balance according to Claim 2, wherein the recalculation mode is based on a relationship: $m_{1\ new}/m_{1\ formula} = m_{2\ actual}/m_{2\ formula}$, wherein $m_{1\ formula}$ is a formula weight of a first component; $m_{1\ new}$ is a recalculated weight of the first component based on an overfill quantity of a second component in the formula; $m_{2formula}$ is a formula weight of the second component; and $m_{2\ actual}$ is the formula weight of the second component plus the overfill weight of the second component.	E.g., column 3, line 44 to column 4, line 34. See, also, abstract.
8. (New) The electronic balance according to Claim 2, wherein the weighing container is a platform.	E.g., Fig. 2, reference numeral 3.
9. (New) The electronic balance according to Claim 2, further comprising: a first electronic storage memory for a weight of a first component in the weighing container, and a second electronic storage memory for a weight of a second component in the weighing container.	E.g., Fig. 2, reference numerals 27 and 29.
10. (New) A method of mixing a plurality of components according to a formula	E.g., column 1, line 62 to column 2, lines 24; Figs. 1-3.

U.S. APPLN. NO.: REISSUE OF U.S. PATENT NO. 5,902,965
EXPLANATION OF THE SUPPORT IN THE DISCLOSURE OF THE PATENT IN ACCORDANCE WITH 37 C.F.R. § 1.173(C)

Claim	Explanation Of Support In '965 Patent
using an electronic balance having a surface and that displays a value of a quantity of a presently added component, comprising:	
adding a quantity of a first component to the surface according to a formula value for the first component; and	E.g., column 3, line 25-33.
adding a quantity of a second component to the surface according to a formula value for the second component; and	E.g., column 3, line 34-36.
when the step of adding the quantity of the second component results in an overfill of the second component, operating a key to decrement a displayed value of the quantity of the second component to the formula value for the second component; and	E.g., column 3, line 44-52.
activating an electronic evaluation unit in the scale to calculate a value for an additional quantity of the first component required to establish an actual proportion between the first and second components the same as a proportion between the first and second components in the formula.	E.g., column 3, line 44 to column 4, line 34. See, also, abstract.
11. (New) A method of mixing quantities of a plurality of components according to a formula using an electronic balance having a surface and that displays a value of a quantity of a presently added component, comprising:	E.g., column 1, line 62 to column 2, lines 24; Figs. 1-3.
adding a quantity of one of the components to the surface according to a formula value for the one component; and	E.g., column 3, line 25-33.
when the step of adding the quantity of the one component results in an overfill of the	E.g., column 3, line 44 to column 4, line 34. See, also, abstract.

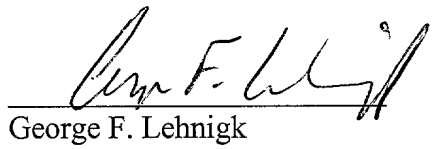
U.S. APPLN. NO.: REISSUE OF U.S. PATENT NO. 5,902,965
EXPLANATION OF THE SUPPORT IN THE DISCLOSURE OF THE PATENT IN ACCORDANCE WITH 37 C.F.R. § 1.173(C)

Claim	Explanation Of Support In '965 Patent
one component, operating a key to decrement a displayed value of the quantity of the one component to the formula value for the one component; and activating an electronic evaluation unit in the scale to calculate a value for the quantity of the a further component required to establish an actual proportion of the quantities between the one component and the further component the same as a proportion between the quantities of the one component and the further component in the formula.	
12. (New) An electronic balance for weighing out quantities of ingredients based upon a recipe of ingredients, comprising; .	E.g., column 1, line 62 to column 2, lines 24; Figs. 1-3.
an ingredient weighing container positioned on the balance;	E.g., Fig. 2, reference numeral 3.
electronic storage memory for the weight of a first ingredient in the weighing container; electronic storage memory for the weight of a second ingredient in the weighing container;	E.g., Fig. 2, reference numerals 27 and 29.
means to determine a ratio of the weights of the ingredients called for in the recipe; and	E.g., column 3, line 11 to column 4, line 34; Fig. 2, items 18, 27, and 29.
display means to show an amount of the first ingredient needed to establish the ratio	E.g., Fig. 1, reference numeral 19
13. (New) An electronic balance for weighing out quantities of ingredients based upon a recipe of ingredients, comprising;	E.g., column 1, line 62 to column 2, lines 24; Figs. 1-3.
an ingredient weighing container positioned on the balance;	E.g., Fig. 2, reference numeral 3.

U.S. APPLN. NO.: REISSUE OF U.S. PATENT NO. 5,902,965
EXPLANATION OF THE SUPPORT IN THE DISCLOSURE OF THE PATENT IN ACCORDANCE WITH 37 C.F.R. § 1.173(C)

Claim	Explanation Of Support In '965 Patent
electronic storage memory for the weight of a first ingredient in the weighing container; electronic storage memory for the weight of a second ingredient in the weighing container;	E.g., Fig. 2, reference numerals 27 and 29.
electronics that determine a ratio of the weights of the ingredients called for in the recipe; and	E.g., column 3, line 11 to column 4, line 34; Fig. 2, items 18, 27, and 29
a display that shows an amount of the first ingredient needed to establish the ratio.	E.g., Fig. 1, reference numeral 19

Respectfully submitted,



George F. Lehnigk
Registration No. 36,359

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